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Indoor Environmental Health Hazards

Why are we concerned?

Thanks to each county's efforts, more children are being tested for lead and fewer children are showing elevated blood levels. As childhood lead poisoning begins to decline, other home health issues are becoming more apparent. These issues can cause several health problems such as sneezing, watery eyes, difficulty breathing, skin rash, nausea, as well as trigger asthma. Though prevention of lead poisoning remains important, maintaining the health of our children does not stop there. Several other hazards exist within the home that need to be addressed.

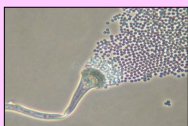
What are the issues?

MOLD

Mold is the result of a moisture problem in the home. It produces tiny microscopic spores that float through the air. Inhaling or touching mold or mold spores may cause allergic reactions or asthma attacks. It can irritate the eyes, skin, nose, throat and lungs.

Look for: evidence of moisture or mold growth in common places such as around toilet and tubs, under windows, sinks and dishwashers, around washing machine connections, in crawl spaces and the attic.

Mold spores



LEAD

Lead paint that is chipping or peeling and on chewable, impact or friction surfaces is considered hazardous. Lead dust often appears on these surfaces as well as in soil surrounding the home. Lead dust can be carried on pet fur, or on clothing of people who have lead-related occupations or hobbies.

Look for: chipping, peeling or deteriorated paint, bare soil around the home and in play areas, surfaces that children may chew on, dust in clothing that has been worn to work in lead-related occupations or hobbies such as fishing, hunting or gardening.

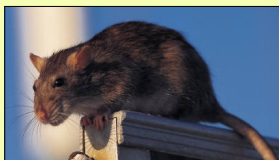


Indoor Environmental Health Hazards

PESTS

Left over crumbs and moisture can attract unwanted pests such as cockroaches and rodents. Body parts, secretions and droppings from cockroaches, along with hair, skin flakes, urine and saliva from rodents can be harmful to residents' health, especially to children or pets. They are also known to trigger allergy and asthma attacks.

Look for: evidence of cockroaches and/or rodents (such as feces or dead specimens in traps), food crumbs, open or unsealed food, holes or gaps between construction materials, pipes, windows and doors that could allow pests to enter the house, evidence of standing water or leaks, pet food bowls that may be left out overnight and clutter such as piled up newspapers, boxes and trash.



PETS

Dander, hair, saliva and feathers from pets are all possible pollutants that can become airborne. They can trigger asthma and allergies and also attract pests. They may also carry diseases and parasites, which can affect the health of everyone living in the home.

Look for: pet fur on clothing, furniture or floating around in the air. Consider where the pet sleeps and how often the pet is washed. Observe if someone in the home suffers from allergies when the pet is around.



Indoor Environmental Health Hazards

How do we resolve the issues?

MOLD

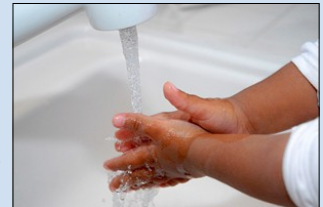
What to do: Fix water leaks as soon as possible. Dry out damp or wet items within 24-48 hours. Scrub mold off hard surfaces with 10% bleach solution and then dry completely. Open a window or turn on an exhaust fan when showering or cooking.



Mold on a ceiling

LEAD

What to do: Wet clean windowsills and wells with detergent, water and disposable cloths. Pets should be washed frequently to prevent spread of lead dust in fur. Hobbies that involve lead should be done away from the home/children. Children should wash their hands frequently especially before eating, drinking, napping and after playing, especially outdoors. Keep play areas clean by washing stuffed animals, pacifiers and toys frequently. Use a vacuum with a high efficiency particulate air (HEPA) filter. If you work in an occupation where you are exposed to lead, shower and change clothes before coming home from work. Launder work clothes separately from the rest of the family's clothes.



Indoor Environmental Health Hazards

PESTS

What to do: Clean all food crumbs or spilled liquids immediately, as well as surfaces where you have seen pests with soap and water. Store food in sealed containers and pick up and clean pet food bowls when they are not eating from them to prevent pest access to food. Seal holes or gaps between construction materials and pipes, dry out damp or wet items and clear clutter by removing food, bags, newspapers, empty boxes, cans and bottles.



PETS

What to do: Keep pets off furniture and vacuum frequently. The bedroom is where most of a person's in-home time is spent, so do not allow family pets to sleep in the same room to prevent flare up of allergies. Pets should be cleaned often to remove excess fur and dander that may carry chemicals, mold and lead.



More home hazards to be discussed in coming issues of the NewsLEADER

Children's Products Recalled for Lead

Every year there are more and more products being recalled for containing excessive levels of lead. It is important to remove these items immediately to keep children safe. While it may cause fear that several toys and children's items contain lead, the area of each product where the lead is concentrated is usually very small and often there is no resulting injury. The most common cause of lead poisoning in children is still deteriorating lead-based paint. However, it is necessary to be aware of all lead exposure risks. Here is a list of the top ten recalled products of 2008:



*eeBoo Corp. recalls: **Sketchbooks with Colored Spirals*** - February 6, 2008. The paint on the sketchbook's colored spiral metal bindings contains excessive levels of lead, violating the lead paint standard. The books were sold nationwide from September 2005 through January 2008 for about \$6. Contact eeBoo Corp. at (800) 791-5619, or visit www.eeBoo.com
Units Recalled: 80,000

*L G Sourcing Inc. recalls: **Children's Storage Bins*** - May 1, 2008. The surface paint on the storage bins contains excessive levels of lead, violating the federal lead paint standard. The storage bins included in the recall are item numbers 226782 and 226781. They were sold at Lowe's retail outlets nationwide from March 2007 through February 2008 for about \$6. Contact LG Sourcing at (866) 493-6563 or visit www.lowes.com

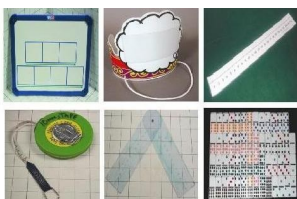
Units Recalled: 84,000



*Galison/Mudpuppy recalls: **Wire-O Bound Journals and Calendars*** - March 18, 2008. The paint on the metal spiral bindings of the journals contains excessive lead paint, violating the federal lead paint standard. These products were sold at specialty and gift stores nationwide and on-line from August 2003 through December 2007 for between \$7 and \$10. Contact Galison/Mudpuppy at (800) 670-7441 or visit www.galison.com
Units Recalled: About 90,000

*StyleMark Inc. recalls: **Children's Sunglasses*** - April 3, 2008. The surface paint in the orange lettering on the temples of the sunglasses contains excessive levels of lead, violating the federal lead paint standard. Included in the recall is style number DI25K7116. The sunglasses were sold at Payless, Walgreen's, Academy Sports and CVS stores nationwide from October 2007 through March 2008 for \$6 and \$9. Contact StyleMark at (866) 928-1913 or visit www.stylemark.net

Units Recalled: 144,000



*RR Donnelly recalls: **Reading and Math Aids*** - January 31, 2008. The surface paint on the products contains excessive levels of lead, violating the federal lead paint standard. These products were sold by SRA, Wright Group and Glencoe to schools nationwide from July 2003 through October 2007. Contact RR Donnelly at (888) 240-2730 or visit www.mhcares.com
Units Recalled: 185,000

Children's Products Recalled for Lead (continued)



*Merchant Media Corp recalls: **Toy Puzzle Vehicle Sets** - March 20, 2008.* The surface paint on the puzzle pieces and components contains excessive levels of lead, violating the federal lead paint standard. The puzzle sets were sold by QVC televised shopping programs, web page, toll-free number and Studio from September 2002 through December 2007 for about \$20. Contact QVC at (800) 367-9444, or visit www.qvc.com
Units Recalled: 198,000

*Michaels Stores recalls: **Seasonal Writing Pens** - April 10, 2008.* The pens' surface coating contains high levels of lead, violating the federal lead paint standard. These pens were sold exclusively at Michaels' retail stores nationwide from August 2007 through March 2008 for \$1. Contact Michaels at (800) 642-4235, or visit www.michaels.com

Units Recalled: About 310,000



*Benjamin International recalls: **Pendants and Candle Charms** - February 7, 2008.* The recalled pendants and charms contain high levels of lead. The pendants and charms were sold at gift shops nationwide from January 2002 through November 2007 for between \$6 and \$8 for the pendants and between \$12 and \$15 for the charms with candles. Contact Benjamin International at (888) 249-7639, or visit www.benjamininternational.com
Units Recalled: 460,000

*Paragon Inc recalls: **Children's Necklaces with Ballet Shoes Charms** - July 10, 2008.* The solder on the charm of the necklace may contain high levels of lead. The necklaces were sold at retail chains and independent bookstores nationwide from January 2003 through June 2008 for about \$7. Contact Parragon at (888) 480-2854 or visit www.parragonrecall.com

Units Recalled: 500,000



*United Scientific and American Scientific LLC recall: **Magnets** - May 22, 2008.* Surface paint on magnets contains high levels of lead, which violates the federal lead paint standard. The United Scientific magnets were sold by independent distributors from October 1996 through September 2007 for between 50 cents and \$15. The distributors sold magnets to high school science classes. The American Scientific LLC magnets were sold by independent distributors from October 2006 through February 2008 for between \$1 and \$4. Contact United Scientific at (888) 284-8570 or visit consumeraffair@unitedsci.com. Contact American Scientific at (866) 518-1665, or visit www.american-scientific.com

Units Recalled: About 2,437,000



For a complete list of lead recalls, visit the Centers for Disease Control and Prevention website at www.cdc.gov or the U.S. Consumer Product Safety Commission's website at www.cpsc.gov. Join the CPSC mailing list to stay up to date on all new lead recalls.

IMPORTANT REMINDERS

For Local Public Health Agency Lead Case Management Nurses and MO HealthNet Managed Care Health Plan Lead Case Managers

As you are aware, 19 CSR 20-8.030 requires follow up of elevated lead levels, documenting and reporting of all lead case management (cm) activities to DHSS. The MOHSAIC Lead Case Management Application is the “universal” tool by which you maintain compliance with this requirement. Please remember that there are specific documenting frequencies for each case as follows:



- At the initiation of case management activities **even for elevated Capillary results of 10 µg/dl or greater while you are waiting for the Venous Confirmatory results**
- All contacts once CM has started
- At all re-test intervals (whether completed or not) and what interventions are being used to complete the re-test
- Chelation Therapy (start to completion)
- Case Closure
- If the parent refuses Lead CM services- **inclusive of referral to the child's physician or follow-up**

Please be aware that, from the actual date DHSS provided you access to the MOHSAIC Lead Application, all elevated lead levels (inclusive of Capillary elevations) found after you were granted access should have all frequencies documented. **If you wish to reference your access date, please contact me directly and I will be happy to provide it (see contact information below).**

Auditing of follow-up documentation in MOHSAIC is currently in process. The review will look at your access date and move forward to present cases. The review will be completed by county and include the MO HealthNet Health Plan Lead Case Managers. This review will be a joint effort between DHSS and MO HealthNet.

Please remember that if you do not access the MOHSAIC Lead Application at least once a month, the system will “lock” your account. You will need to contact the Help Desk ** directly to “unlock” your account so you can complete the required documentation.

Thank you for all the follow up you provide. Your commitment to public health and children with lead poisoning is commendable. Should you have any questions please contact me.

Have a wonderful summer!

Margaret (Maggie) Buckland R.N. (573)-751-6102

****Note: ITSD help desk contact information:**

ITSD helpdesk Toll Free- 800-347-0887

TSD helpdesk—(573)751-6388

Main fax—(573)526-7645

Welcome Back Returning Staff!

The childhood lead poisoning prevention program (CLPPP) is such a great organization, we just can't keep people away from it! There are three staff members who have recently returned to CLPPP.



Christy Inskip, M.P.H. rejoined CLPPP in December 2007 as an Environmental Specialist. She previously worked with CLPPP from March 2006–August 2007 as the Health Educator. In her current position, she provides technical assistance to counties that perform Elevated Blood Lead (EBL) risk assessments, reviews open cases of ongoing EBL investigations, monitors contracts with local agencies that conduct EBL activities and performs EBL risk assessments. Contact her with any questions regarding risk assessments, site management in MOHSAIC, lead-based paint and lead in manufactured products, at (573)-751-6102.



April Smith, B.S. rejoined CLPPP in January 2008 as an Environmental Specialist. She is a licensed lead risk assessor in Missouri and Kansas. Previously, April was in charge of providing MO counties with assistance in EBL risk assessments, reviewing open cases of ongoing EBL investigations and conducting EBL risk assessments. April is back part-time to provide risk assessments and follow-ups for EBL children living in Southeastern Missouri.



Carol Steinman rejoined CLPPP in May 2008 as the Epidemiology Specialist filling the position previously held by Patty Osman. She previously worked with the CLPPP from 1990-1993. During this time, she worked with local public health agencies on contracts for elimination of childhood lead poisoning and processed related contract documents. She also worked with coalition groups on efforts for elimination of childhood lead poisoning. In her current position, she works on data surveillance of childhood lead as well as monthly, quarterly and annual reports for CDC and local counties. Currently, she is setting up a site on the web that will be available to run reports and open cases at anytime. The purpose is to allow the CDC and counties to see which child is elevated within the area of interest. Contact Carol at (573) 526-0347 with questions about data surveillance, access to MOHSAIC etc. (Note: to reset a MOHSAIC password, please contact ITSD office; contact info on page 6)

LEAD VOCABULARY

XRF- X-Ray Fluorescence is a portable x-ray machine that is frequently used by lead inspectors. It measures the concentration of lead in paint by looking through all of the layers of paint and measuring the lead content. The standard way that XRFs report lead concentration is milligrams of lead per square centimeter of surface area (mg/cm²).

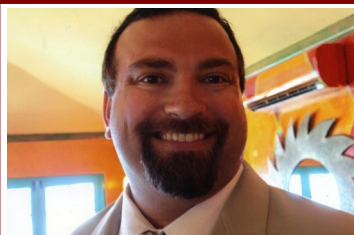


National Lead Poisoning Prevention Week (NLPPW)

October 19-25, 2008

Campaign Materials will be mailed in advance, please plan on participating!

Meet Our New Staff!



Chris Wood, B.S. joined CLPPP in May 2008 as the Environmental Specialist. In 1994 he received his Bachelor of Science degree in conservation enforcement at the University of Central Missouri. He has also received analytical certificates through the U.S. Environmental Protection Agency (E.P.A.). Previously, he worked as a Contractor Associate Chemist in the EPA Region 7 Laboratory. His main job was testing ambient air, but he also analyzed lead in water and environmental lead in soil and dust. In his current position, he performs Elevated Blood Lead (EBL) risk assessments and manages XRF instruments and radioactive safety. He also provides technical assistance to counties who have questions regarding lead based paint, lead in manufactured products, risk assessments and entering site management data in MOHSAIC. Contact him with questions regarding these matters at (573)-751-6102



Allie Clayes, B.S. joined CLPPP in May 2008 as the Health Educator, filling the position last held by Christy Inskip. In 2003 she received her Bachelor of Science degree in Health Science at Truman State University and became a certified Health Education Specialist (C.H.E.S.). In 2003, she designed several W.I.C. health education materials for Chariton County Health Department and a billboard for Putnam County Health Department. In her current position, she is responsible for the bi-annual newsletter, monthly lead screening reports, annual CLPPP report, creating and distributing education materials, lending the Leadasaurus costume, planning and disseminating information for the bi-annual campaigns and National Lead Poisoning Prevention week, promoting lead poisoning awareness etc. Please contact her with questions regarding program materials, activities, reports as well as questions or comments regarding the newsletter at (573)751-6102.

Leadosaurus wants you!!!



LEADOSAURUS WANTS YOU!, to use his costume to teach kids about lead poisoning. He is available upon request from DHSS and is great for schools, health fairs, parades, open houses and community-wide events. The costume fits best on people 5'6" to 6' tall and is always a hit with the children. It is recommended that there is an assistant to the costume wearer as it may be slightly difficult to see and walk in the costume. Contact Allie Clayes for more information.

If you have questions or comments about the newsletter, want to borrow Leadosaurus or order any lead education materials, please contact us.

Contact: Allie Clayes, DHSS, 930 Wildwood Dr., Jefferson City, MO 65109
Email: Allyssa.Clayes@dhss.mo.gov Phone:(573)751-6102 Fax:(573)526-6946